

REC'D 4-11-97
FB.

Ciba



April 10, 1997

Mr. Frank Battaglia, Project Manager
USEPA Region I
Waste Management Building
90 Canal Street
Boston, MA 02114

RCRA RECORDS CENTER
FACILITY Ciba GenCorp
I.D. NO. RID00194323
FILE LOC. KFS
OTHER _____

**RE: Monthly Progress Report No. 81
Ciba Specialty Chemicals, 180 Mill Street, Cranston, RI 02905
EPA ID RID001194323**

Dear Mr. Battaglia:

As required by the modified Consent Decree (CD) of September 28, 1992, I am submitting the monthly stabilization progress report for March 1997.

1.0 SUMMARY

Stabilization Plan (IRM)

- **Contaminated groundwater in the Production Area (AOC 13)** -- The groundwater extraction wells 110 and 120, as well as, the pretreatment system continued to operate with no problems. Since the initiation on September 29, 1996, the groundwater stabilization pretreatment plant has processed approximately 46 million gallons of contaminated groundwater meeting the permit wastewater discharge limits for the City of Cranston, Rhode Island.

Ciba received a permit modification effective March 13, 1997, from the Department Of Public Works to reduce the frequency of compliance monitoring from twice a month to monthly sampling.

- **Soil in the Production Area (SWMU 11)** -- The results for the February 25 and 26, 1997 soil and headspace sampling at eleven locations in the SWMU 11 area are back from RI Analytical. The data is being summarized for submittal to the EPA and RIDEM. Preliminary results show some reduction of contaminants in the soil. The Soil Vapor Extraction (SVE) System will be tested for a continuous burn of the soil gas in April 1997, if all goes well with unit modifications.



2.0 DISCUSSION

A single drum of waste cuttings from the soil borings in SWMU 11 were left after the bore hole closures were completed. RI Analytical evaluated a thief sample for VOAs and PCBs and the results are attached. The contaminant of concern, PCBs, was found at 4.0 mg/kg (Aroclor-1254). Land application allows utilization of sludge and/or composted sludge having PCBs less than 10 mg/kg (dry weight). The material appears to be suitable for discharging back to the SWMU 11 area. Disposition is pending both EPA and RIDEM input.

The first semiannual groundwater sampling for 1997 and additional sampling for plume delineation was initiated on April 1, 1997.

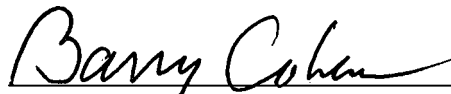
3.0 SCHEDULE OF ACTIVITIES

- Start-up the SVE continually (begin first half of 1997)
- Groundwater sampling for additional groundwater plume modeling information (started April 1, 1997)
- Groundwater sampling for proposed compliance monitoring to demonstrate plume remediation (started April 1, 1997)
- Baseline soil sampling for SWMU 11 (Sampling/analytical complete)
- Baseline soil sampling report (May 1997)

4.0 OTHER COMMENTS

If you have questions or need additional information, please contact me at 908 914-2737 or fax 908 914-2909.

Sincerely,



Barry Cohen
Alternate Projector Coordinator

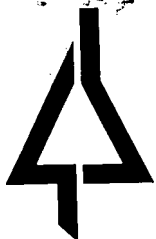
Attachments: 1

Monthly Report Distribution List

Mr. Frank Battaglia (2 copies)
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Ms. Doris Aschman
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(401) 277-3872 Ext. 7136

Mr. Mark Houlday
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One Cranberry Hill, Lexington, MA 02173
(617) 863-0667



R.I. Analytical

Specialists in Environmental Services



CERTIFICATE OF ANALYSIS

Ciba Specialties Corp.
Attn: Barry Cohen
Env. Bldg. #743, Rt. 37 West
Toms River, NJ 08754

DATE RECEIVED: 03/13/97
DATE REPORTED: 03/31/97
P.O. NUMBER:
INVOICE NUMBER: B2452

SAMPLE DESCRIPTION: One (1) soil sample labelled Drum Soil Drilling,
collected 3/13/97

Subject sample, collected by RIAL personnel, has been analyzed by our laboratory with the following and attached results:

Polychlorinated Biphenyls
Method #8080

COMPOUNDS	RESULTS	DETECTION LIMIT
Aroclor-1016	ND	0.1
Aroclor-1221	ND	0.1
Aroclor-1232	ND	0.1
Aroclor-1242	ND	0.1
Aroclor-1248	ND	0.1
Aroclor-1254	4.0	0.1
Aroclor-1260	ND	0.1

Results reported in mg/kg (dry wt.)
ND = Not Detected

Reference: Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, U.S. EPA, SW-846, November 1986, 3rd edition, Update IIB, January 1995.

If you have any questions regarding this work, or if we may be of further assistance, please contact us.

Approved by:

James E. Mich
Vice President
cgc:kah
enclosure: chain of custody
cc: Dr. David Ellis, Bldg. #216

Kellie M. Gaunya
Quality Control Coordinator

CERTIFICATE OF ANALYSIS

Ciba Specialties Corp.
March 31, 1997
Invoice # B2452

Volatile Organic Compounds
Method #8260

COMPOUND	RESULTS	DETECTION LIMIT
benzene	ND	0.2
bromobenzene	ND	0.2
bromochloromethane	ND	0.4
bromodichloromethane	ND	0.2
bromoform	ND	0.2
bromomethane	ND	1.0
n-butylbenzene	ND	0.2
sec-butylbenzene	ND	0.2
tert-butylbenzene	ND	0.2
carbon tetrachloride	ND	0.2
chlorobenzene	ND	0.2
chloroethane	ND	0.5
chloroform	ND	0.2
chloromethane	ND	0.5
2-chlorotoluene (ortho)	6.1	0.2
4-chlorotoluene	1.0	0.2
dibromochloromethane	ND	0.2
1,2-dibromo-3-chloropropane	ND	0.4
1,2-dibromoethane	ND	0.2
dibromomethane	ND	0.4
1,2-dichlorobenzene	ND	0.2
1,3-dichlorobenzene	ND	0.2
1,4-dichlorobenzene	ND	0.2
dichlorodifluoromethane	ND	0.5
1,1-dichloroethane	ND	0.2
1,2-dichloroethane	ND	0.2
1,1-dichloroethene	ND	0.2
cis-1,2-dichloroethene	ND	0.2
trans-1,2-dichloroethene	ND	0.2
1,2-dichloropropane	ND	0.2
1,3-dichloropropane	ND	0.2
2,2-dichloropropane	ND	0.2
1,1-dichloropene	ND	0.2
ethylbenzene	ND	0.2
hexachlorobutadiene	ND	0.2
isopropylbenzene	ND	0.2
p-isopropyltoluene	ND	0.2

Results reported in mg/kg (as is)
ND = Not Detected

RI Analytical Laboratories, Inc.

CERTIFICATE OF ANALYSIS

Ciba Specialties Corp.
March 31, 1997
Invoice # B2452

**Volatile Organic Compounds
Method #8260**

COMPOUND	RESULTS	DETECTION LIMIT
methylene chloride	ND	0.2
naphthalene	ND	0.2
n-propylbenzene	ND	0.2
styrene	ND	0.2
1,1,1,2-tetrachloroethane	ND	0.2
1,1,2,2-tetrachloroethane	ND	0.2
tetrachloroethene	ND	0.2
toluene	3.6	0.2
1,2,3-trichlorobenzene	ND	0.2
1,2,4-trichlorobenzene	ND	0.2
1,1,1-trichloroethane	ND	0.2
1,1,2-trichloroethane	ND	0.2
trichloroethene	ND	0.2
trichlorofluoromethane	ND	0.2
1,2,3-trichloropropane	ND	0.2
1,2,4-trimethylbenzene	ND	0.2
1,3,5-trimethylbenzene	ND	0.2
vinyl chloride	ND	0.2
o-xylene	0.3	0.2
m-xylene/p-xylene *	0.9	0.2

Results reported in mg/kg (as is)
ND = Not Detected

* This method does not differentiate between these two compounds.

RI Analytical Laboratories, Inc.